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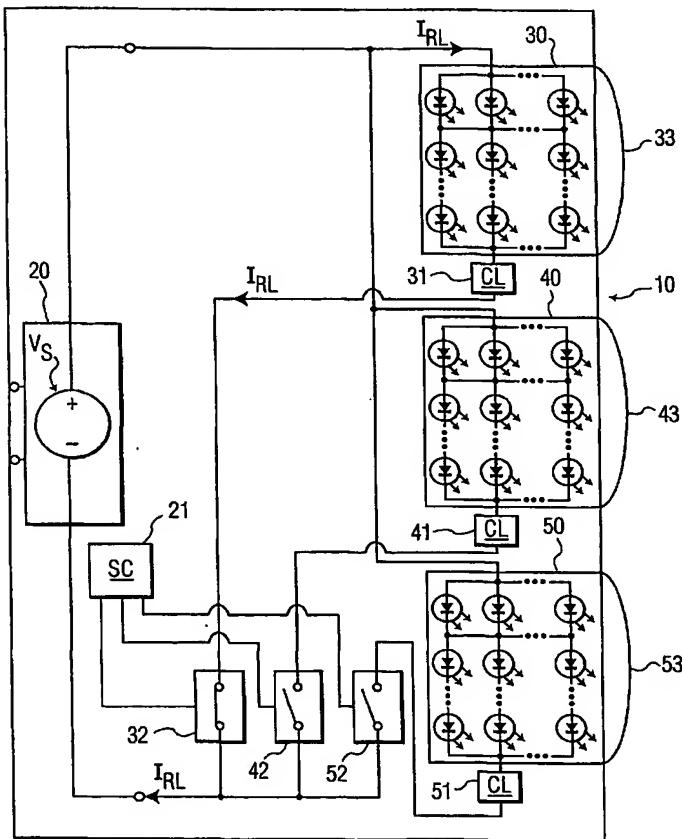
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(54) Title: **SINGLE LED DRIVER FOR A TRAFFIC LIGHT**



(57) Abstract: One form of a traffic light (10,11) employs one or more LED circuits connected to a voltage source (Vs). Each LED circuit includes a series connection of a LED array (30), a current limiter (31) and an electronic switch (32). Each current limiter (31) controls a flow of LED current (IRL) through an associated LED array (30) whenever a switch controller (21) closes the associated electronic switch (32). Another form of a traffic light (60,61) employs one or more LED circuits connected to a current source (Is). Each LED circuit includes a parallel connection of LED array (80) and an electronic switch (81). A LED current (IRL) flows through an LED array (80) whenever a switch controller (71) opens the associated electronic switch (81).

WO 2005/001791 A1



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